

CLASSIFICATION **SECRET**
CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT 50X1-HUM
CD NO.

COUNTRY USSR
SUBJECT Economic; Technological - Heavy machine building
HOW PUBLISHED Daily newspapers; weekly, monthly periodical
WHERE PUBLISHED USSR
DATE PUBLISHED 20 Aug - 3 Nov 1950
LANGUAGE Russian

DATE OF INFORMATION 1950
DATE DIST. 18 Jan 1951
NO. OF PAGES 3
SUPPLEMENT TO REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF ESPIONAGE ACT 50 U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Newspapers and periodicals as indicated.

NEW MACHINERY GOES INTO PRODUCTION;
MACHINE PLANTS GET OFFICIAL HONORS

PUT OUT ABOVE-PLAN ENGINES -- Petrozavodsk, Leninskoye Znamya, 2 Sep 50

Internal-combustion engines for fishing vessels are now in full production at the Petrozavodsk Metal Plant. In August, four engines were put out in excess of plan.

50X1-HUM

NEW WELDING MACHINE SIMPLER, LIGHTER -- Moscow, Ogonek, 20 Aug 50

This year series production was begun on the UT-1250 automatic electric-welding tractor. It excels the American welding tractor in that it does not have to be stopped to change its traversing speed. Adjustment of the machine for different kinds of welding can also be made while it is in motion. The electrical part of the machine is exceedingly simple. The machine weighs almost one fourth less, and can be easily moved from place to place.

50X1-HUM

PRODUCE NEW DIE-CASTING, MOLDING MACHINES -- Moscow, Vechernyaya Moskva, 4 Sep 50

The Moscow Krasnaya Presnya Plant completed the half-year plan early, and exceeded the July and August plans. More than 1,163,000 rubles' worth of above-plan equipment was produced, including 20 molding machines. The productivity of labor, compared to a corresponding period of last year, rose 44 percent. The plan for the reduction of production costs was greatly exceeded. During the first half year, the plant realized a profit of 1,200,000 rubles.

- 1 -

SECRET

CLASSIFICATION		SECRET		DISTRIBUTION									
STATE	<input checked="" type="checkbox"/>	NAVY	<input checked="" type="checkbox"/>	NSRB									
ARMY	<input checked="" type="checkbox"/>	AIR	<input checked="" type="checkbox"/>	FBI									

SECRET

SECRET

50X1-HUM

The machine-tool park was rearranged, freeing extra space for 20 additional machine tools. Much was done to raise the productivity of the working area in the first and second machine shops, in the tool shop, and in the foundry.

There are five Stakhanovite schools in the plant, and more than 200 Stakhanovites have fulfilled their year norms and are now producing on the account of 1951. In the assembly shop, the foundry, the forge shop, and the metal structures shop, all workers are fulfilling their norms. More and more workers are mastering high-speed methods of work; 33 lathe operators and seven milling-machine operators now working under high-speed methods.

The plant has begun production of some new molding machines, which increase the productivity of molders 20-30 times. The plant has been aided by the Central Design Bureau for Foundry Equipment in the production of these machines. The die-casting machine put out by the plant is in great demand. Parts turned out by this machine require almost no subsequent machining. One of these machines, installed in the Moscow Computing-Analyzing-Machine Plant, freed a considerable number of machine tools for other operations and saved about one million rubles.

This year the Krasnaya Presnya Plant began production of the 274 molding machine for molding copes. It will handle 25 flasks per hour, whereas by hand methods, only six could be done in the same time. The 267 machine is for molding both copes and drags, and can turn out 30 flasks per hour. The new high-duty 255 machine is now being assembled.

Moscow, Vechernyaya Moskva, 31 Oct 50

The Moscow Krasnaya Presnya Plant is putting out a new die-casting machine, the 511. This machine is capable of turning out thousands of various parts, cast so accurately as to require no subsequent machining.

NEW FORGING MACHINE GETS CLOSER TOLERANCES -- Moscow, Vestnik Mashinostroyeniya, Nov 50

The Novo-Kramatorsk Machine-Building Plant imeni Stalin has designed and built a new horizontal forging machine, the GKM-800. It is designed for upsetting, broaching, and swaging in mass and series production of complex-form parts of ferrous and nonferrous metal.

The machine is equipped with a plunger and two dies. It uses less metal in turning out a forging than a forging hammer, for example, and is able to attain optimum tolerances.

Specifications are as follows:

Weight of machine (tons)	75
Length (mm)	5,085
Width (mm)	3,600
Height (mm)	2,995
Maximum pressure exerted on plunger of upsetting slide-block (tons)	800

- 2 -

SECRET

SECRET

SECRET

SECRET

50X1-HUM

Maximum diameter of raw billet of soft steel (mm)	100
Full travel of upsetting slide-block (mm)	380
Travel of compressing die (mm)	152
Upsetting travel of upsetting slide-block (mm)	250
Number of strokes of upsetting slide-block per minute	35
Capacity of motor (kv)	33
Number of motor revolutions per minute	725

The plant has begun to produce a series of these machines.

MACHINE STRAIGHTENS SHEET METAL -- Moscow, Vestnik Mashinostroyeniya, Nov 50

Early in 1950, the Staro-Kramatorsk Plant imeni Ordzhonikidze began production of a five-roller, cold plate-straightening and scale-breaking machine. It can handle sheets 0.4-4 millimeters thick, and 700-1,500 millimeters wide. Sheets are processed at the rate of 1.5-12 meters per minute.

METAL CUTTER PASSES TESTS -- Moscow, Vestnik Mashinostroyeniya, Nov 50

A heavy roller-cutter, built at the end of 1949, has undergone plant tests and is now going to be used in production. This machine, the URN-6, cuts sheet metal by running it between a pair of metal disks or rollers, sharpened along the circumference. They are held at an angle of 45 degrees to the horizontal, the edge of one directly over that of the other, and can cut sheets 6 millimeters thick. The machine, including the device for holding the metal sheets, weighs 2,930 kilograms. It is 3,860 millimeters long, 985 wide, and 1,500 high.

PLANTS WIN RED BANNERS -- Moscow, Trud, 3 Nov 50

The Transferable Red Banner of the Council of Ministers USSR has been awarded the Krasnyy Blok and the Syzran' Locomobile Plants.

The Transferable Red Banners of the All-Union Council of Trade Unions and of the Ministry of Heavy Machine Building have been awarded to the Mogilev Locomobile Plant, the Engels Machine-Building Plant, the Kommunist Plant, the Buzuluk Plant imeni Kuybyshev, and the Sverdlovsk Uralmash Plant imeni Ordzhonikidze.

- E N D -

- 3 -

SECRET

SECRET